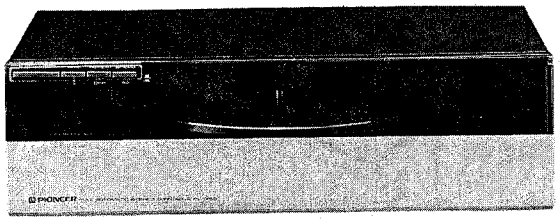
STEREO TURNTABLE

PL-X50 HE

OPERATING INSTRUCTIONS



This operation manual is written in four languages. The English is from page 1 to page 16, the German from page 17 to page 31, the French from page 33 to page 48 and the Italian from page 49 to page 63. Please read the pages in your language to learn to use this product correctly.

Diese Bedienungsanleitung ist in vier Sprachen abgefaßt. Der englische Text reicht von Seite 1 bis Seite 16, der deutsche Text von Seite 17 bis Seite 31, der französische Text von Seite 33 bis Seite 48 und der italienische Text von Seite 49 bis Seite 63. Lesen Sie bitte die Seiten in Ihrer Muttersprache aufmerksam durch, um sich mit diesem Produkt gut vertraut zu machen.

Ce manuel d'utilisation a été rédigé en quatre langues. La version anglaise va de la page 1 à la page 16, la version allemande de la page 17 à la page 31, la version française de la page 33 à la page 48 et la version italienne de la page 49 à la page 63. Veuillez lire les instructions dans la langue qui vous intéresse pour apprendre à utiliser correctement ce produit.

Questo manuale d'istruzioni per l'uso è redatto in quattro lingue. L'inglese è da pag. 1 a pag. 16, il tedesco de pag. 17 a pag. 31, il francese da pag. 33 a pag. 48 e l'italiano da pag. 49 a pag. 63. Leggete attentamente le istruzioni nella vostra lingua per poter usare correttamente questo prodotto.

PIONEER®

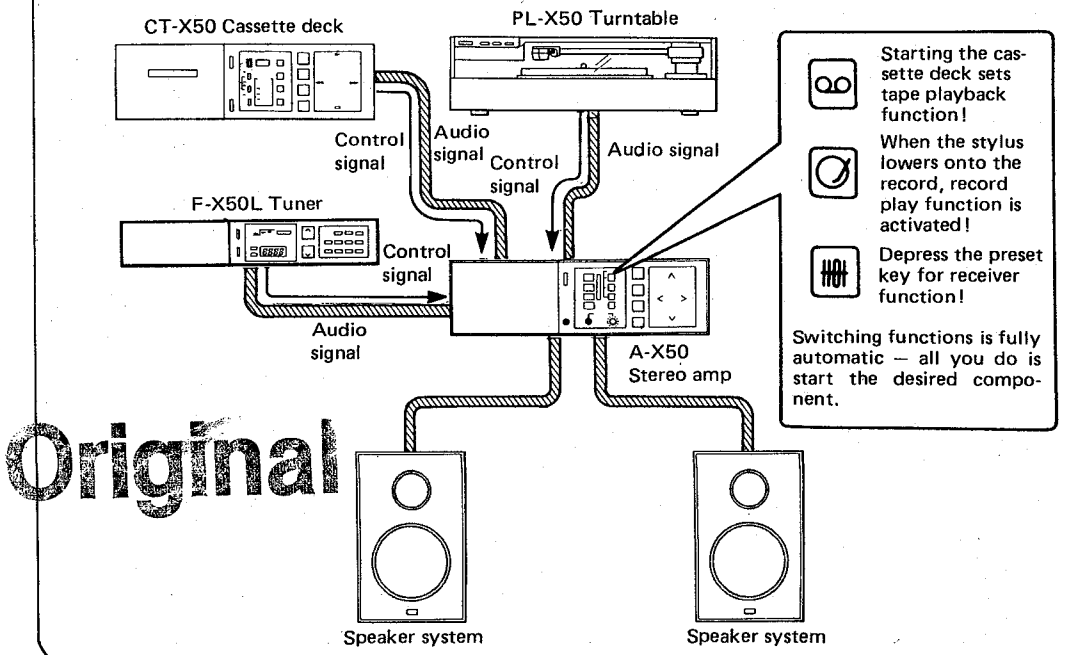
ENGLISH

ONE-TOUCH AUTO-PLAY SYSTEM

Pioneer's A-X50 or A-X30 stereo amp, CT-X50 cassette deck, PL-X50 turntable, and F-X50L stereo tuner may be used in combination to form a convenient and enjoyable One-Touch Auto-Play System.

Tape playback consists of merely loading the cassette into the deck and depressing the playback (▶) switch. To play records, the only operation required is to place the record on the turntable platter and touch the start switch, and FM/AM broadcasts may be enjoyed by simply depressing the preset key of the station you wish to listen to. Any of these above operations will automatically place the amplifier function into the proper mode for the component selected.

If the listener desires to switch components while one is in play, for example, switching from FM/AM broadcast to tape playback, all that is required is to start the cassette deck as mentioned above. The amplifier will automatically switch functions, completely eliminating all the switch flipping and knob turning typical of switchover in previous systems.


CT-X50 Cassette deck
PL-X50 Turntable
Control signal
Audio signal
Control signal
Audio signal
F-X50L Tuner
Control signal
Audio signal
A-X50 Stereo amp
Speaker system
Speaker system
Starting the cassette deck sets tape playback function!
When the stylus lowers onto the record, record play function is activated!
Depress the preset key for receiver function!
Switching functions is fully automatic — all you do is start the desired component.

Original

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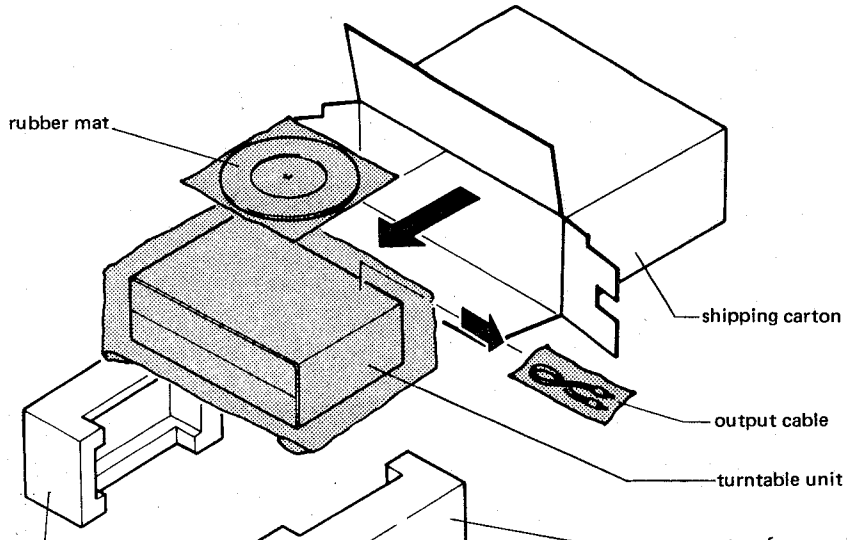
IMPORTANT

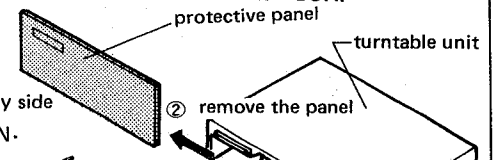
To prevent electric shock, do not remove cover. No user serviceable parts inside, refer servicing to qualified service personnel. Always disconnect all the equipment from the mains supply when disconnecting the signal leads. The power cord should be connected last, make sure that the power switch is off.
Unplug the set from the wall socket when it is not to be used for an extended period of time.

UNPACKING THE TURNTABLE

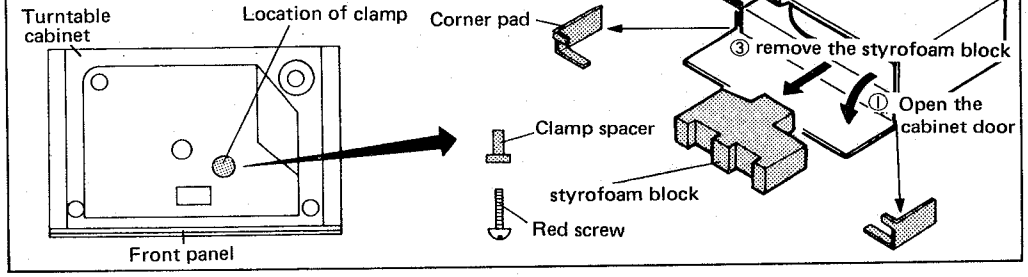
1. REMOVE THE TURNTABLE AND ACCESSORIES FROM THE SHIPPING CARTON.



3. REMOVE THE PACKING MATERIALS FROM THE TURNTABLE BOX.



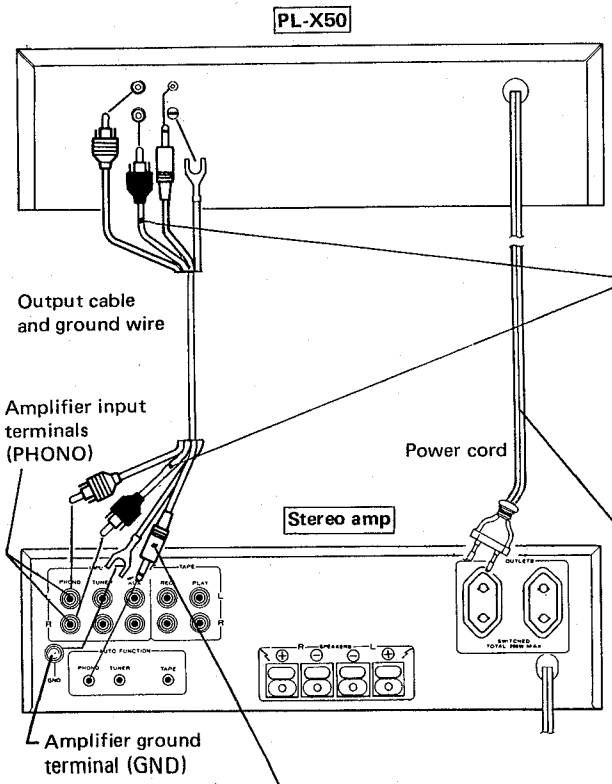
2. TURN THE TURNTABLE CABINET UPSIDE-DOWN.



CONNECTING AND SETTING UP THE TURNTABLE

ENGLISH

■ TURNTABLE TO AMPLIFIER CONNECTION



Ground wire connection
Connect the turntable ground terminal plug to the amplifier ground (GND) terminal.

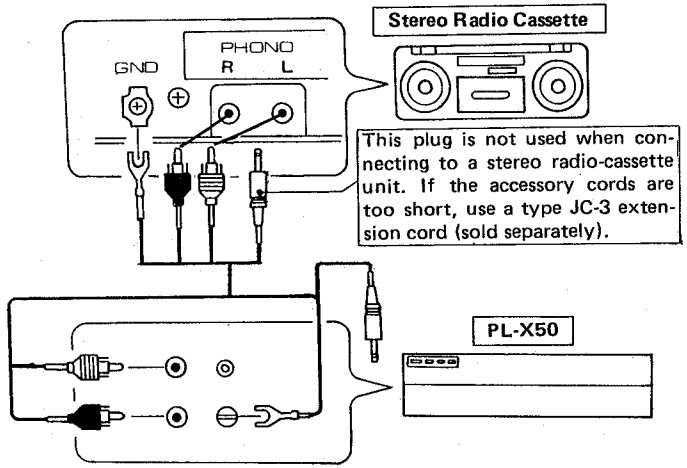
Output cable connection
Insert the plug connector into the input (PHONO) terminals.
- Connect the white plug to the left (L) channel, and the red plug to the right (R) channel.
- Plug each connector in as far as it will go.
- This turntable is equipped with a moving coil (MC) cartridge, but an MC head amplifier is not necessary.

Power cord connection
Plug the power cord into the power outlet (SWITCHED) of the amp or into a household wall socket.

Connection to automatic switching terminal
When connecting to the Pioneer A-X50 or A-X30 integrated amplifier, insert this plug in the automatic switching PHONO terminal.

NOTE:
If the amplifier has no automatic switching terminals, this plug is not used.

■ CONNECTING TO A STEREO RADIO-CASSETTE UNIT



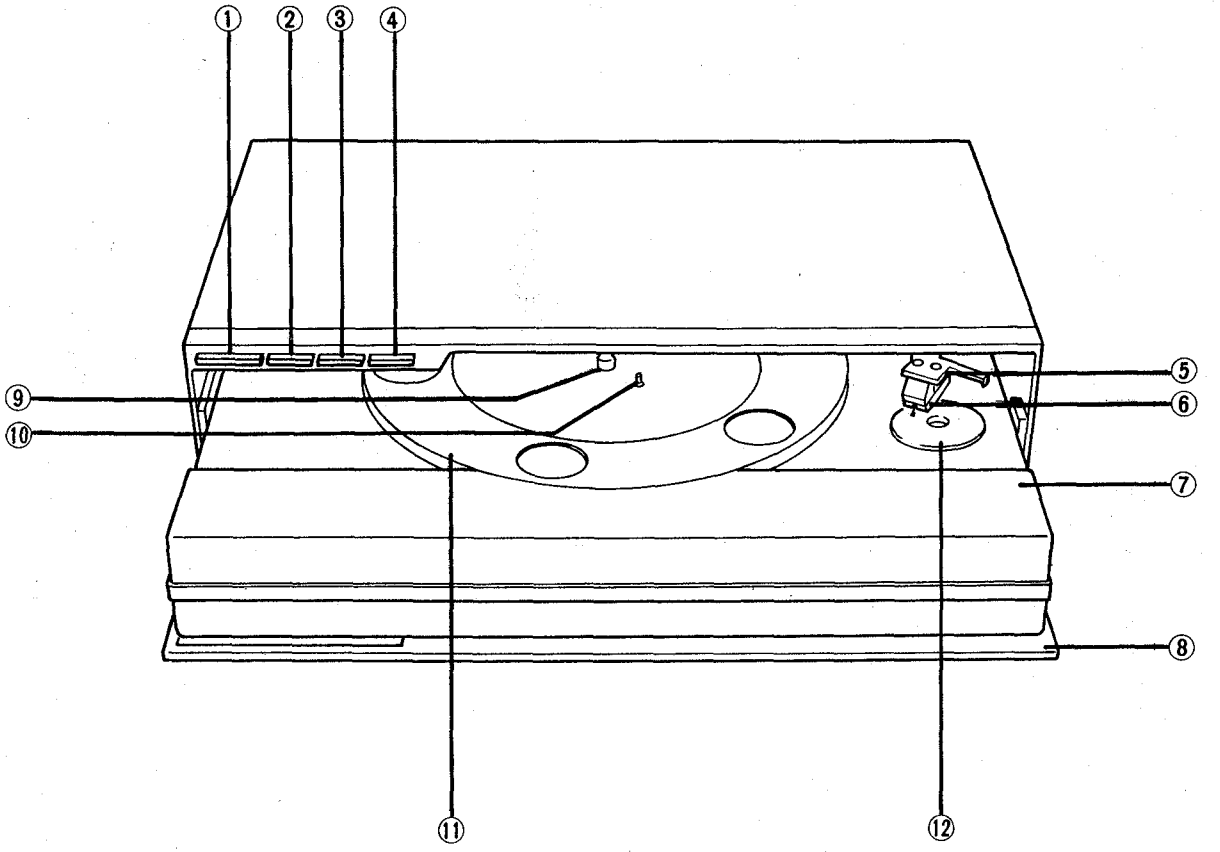
This plug is not used when connecting to a stereo radio-cassette unit. If the accessory cords are too short, use a type JC-3 extension cord (sold separately).

■ SETTING UP THE TURNTABLE

Note the following precautions in selecting a place for setting up the turntable.

- Make sure the location is level and flat.
- Locate where vibrations from the floor or outside sources will not be transmitted to the turntable.
- Do not place where it will pick up vibrations from the speaker system. (Do not place in front of, or directly over speaker system.)
- Place where controls are easy to operate, and where the record and stylus are easily visible.
- Place near the amplifier. (Within reach of the connection cables.)
- Do not place in direct sunlight or near a stove or furnace.
- Do not locate turntable in dusty, dirty or excessively humid environment.
- Be sure the unit is placed so the door does not hit anything when it is opened.

PANEL FACILITIES AND FUNCTIONS



NOTE:
The headshell ⑤ and cartridge ⑥ have been drawn so that they are visible for the purpose of explanation only. They can not be seen as shown above during normal operations.

ENGLISH

① PLAYBACK START/STOP SWITCH (PLAY/STOP)

This switch is depressed to start or stop playback. (See pages 7 thru 11)

② ARM ELEVATION SWITCH (ARM)

This switch is used to start playback in the middle of a record (refer to page 10) or to temporarily stop playback in the middle of a record (refer to page 11).

Switch depressed [▼ (up)] — raises tonearm

Switch released [▼ (down)] — lowers tonearm

③ REPEAT PLAYBACK SWITCH (REPEAT OFF/ON)

Depressing this switch will cause the turntable to play the record repeatedly. (See page 9 for operating instructions.)

④ SPEED SELECTOR SWITCH (SPEED)

This switch is used to select turntable speed.

Switch depressed (▬) — 45 rpm

Switch released (■) — 33 1/3 rpm

⑤ HEADSHELL

⑥ CARTRIDGE (PC-3MC)

⑦ TURNTABLE

⑧ CABINET DOOR

⑨ CENTER SHAFT

⑩ RECORD SENSING PIN

This sensor functions to detect whether a record is placed on the platter or not. This turntable will not operate unless a record is placeed on the platter. If you attempt to start the turntable before placeing a record on the platter, the record sensing pin will detect that there is no record and hold the tonearm in place. This prevents the possibility of the stylus being damaged by coming into direct contact with the turntable platter.

⑪ PLATTER

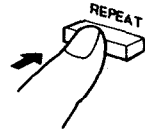
⑫ EP ADAPTOR

Use the EP adaptor by placing it on the center shaft when playing back an EP record.

NOTE:
Use only this EP adaptor with this turntable.
If a different EP adaptor is used, the stylus may come in contact with the EP adaptor and be damaged.

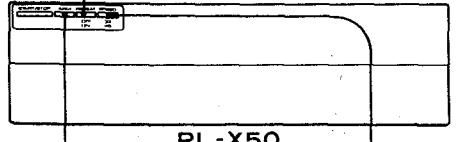
RECORD PLAY

BEFORE STARTING PLAYBACK



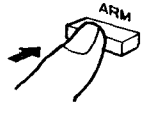
■ **Set the repeat playback switch OFF.**

The switch should be in the released position.



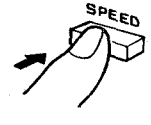
■ **Set the arm elevation switch to the ▼ (down) position.**

The switch should be in the released position.



■ **Set the speed selector switch to 33 or 45.**

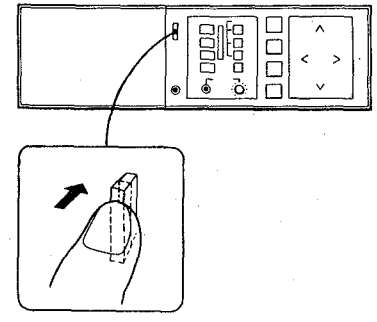
Set the switch to 33 (switch in the released position) for playing 33 1/3 LP records. 45 rpm records are played with the switch set to 45 (switch in the depressed position).



PLAYBACK PROCEDURE

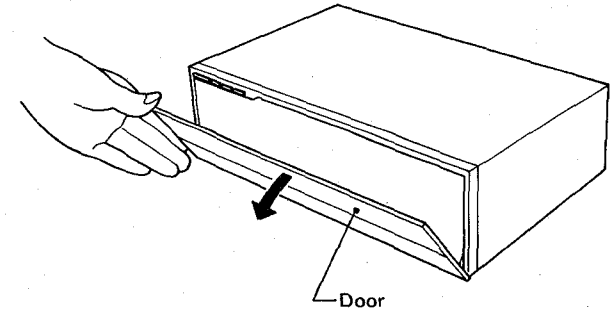
1 Playback preparations

Turn on power to the stereo amplifier.



2 Open the cabinet door.

Pull out on the upper left corner of the door to open.

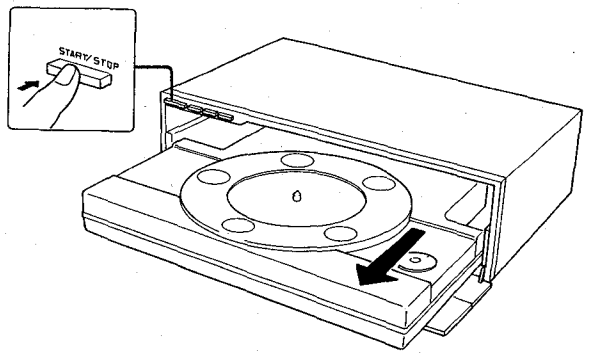


When opening the door, main power supply is automatically turned on. However, with the door closed, the unit is not entirely turned off. Power supply to a part of the unit is maintained.

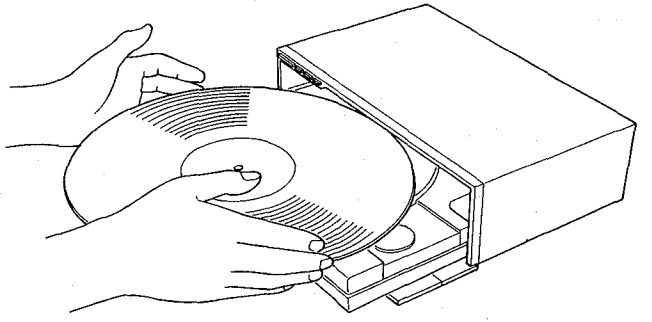
ENGLISH

3 Depress the playback START/STOP switch.

The turntable will automatically slide out.

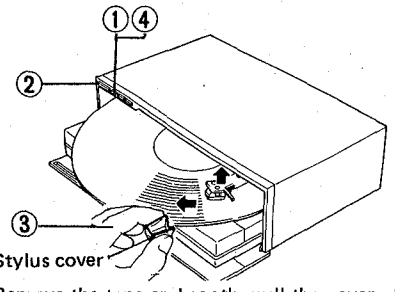


4 Place record on platter.



5 When playing a record for the first time

A protective cover is attached to the stylus and must be removed before playback is begun. Remove the stylus cover as shown below. Steps ① ~ ④ listed below need only be performed before playing a record for the first time. Afterward, you can proceed directly from step [5] (to the right) in the playback procedure. Use a 30cm record for the stylus cover removal procedure.



① Depress the arm elevation switch to the ▼ position.
② Depress the START/STOP switch (The tone arm will come out)
③ Remove the stylus cover.
④ Return the arm elevation switch to the (▼) position. (The stylus will lower onto the record and playback will begin)

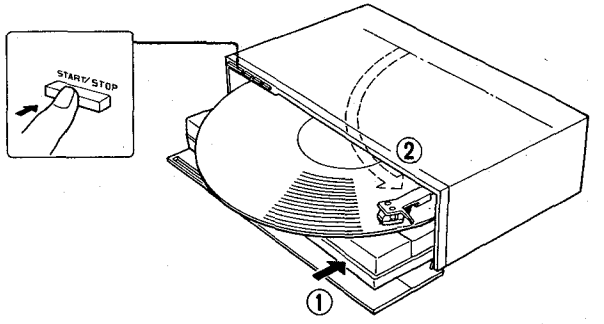
- Proceed to item [6] on the next page.

Remove the tape and gently pull the cover off while holding the headshell manual lifter with your right hand.

5 Depress the playback START/STOP switch to start playback

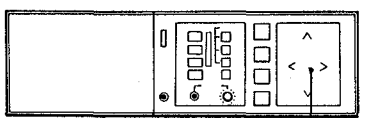
The following procedures are automatically carried out with the starting of record playback.

① The turntable retreats part way back to its original position.
② The tonearm moves over the record, lowers, and playback begins.

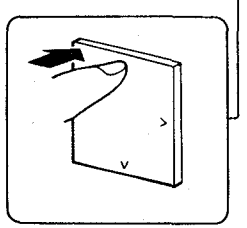


6 Ajust volume at amplifier.

Set the desired sound level by adjusting the volume on the amplifier.



For details, refer to the operating instructions of your amplifier or receiver.

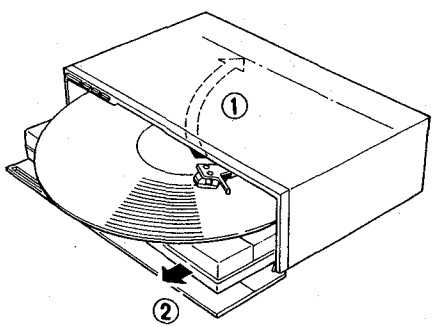


7 When playback is completed.

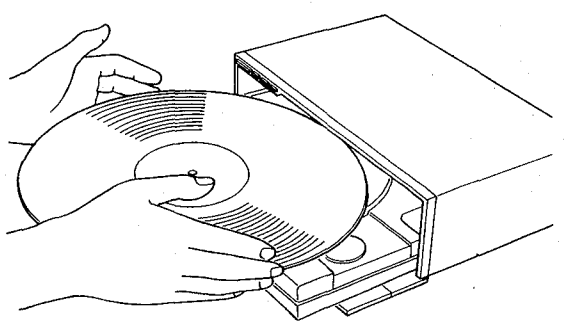
When record playback has been completed, the following procedures are automatically carried out.

① The tonearm returns to the rest.

② The turntable slides back out to its extended position.



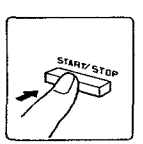
8 Take the record off the platter.

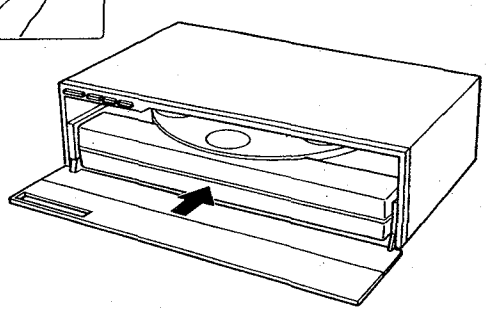


NOTE: Do not turn off the power with the unit in this status. Always perform steps [9] and [10] before turning off the turntable power supply.

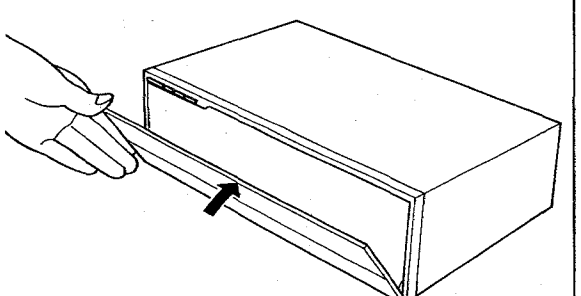
9 Depress the playback START/STOP switch.

The turntable will retreat fully to inside the cabinet.





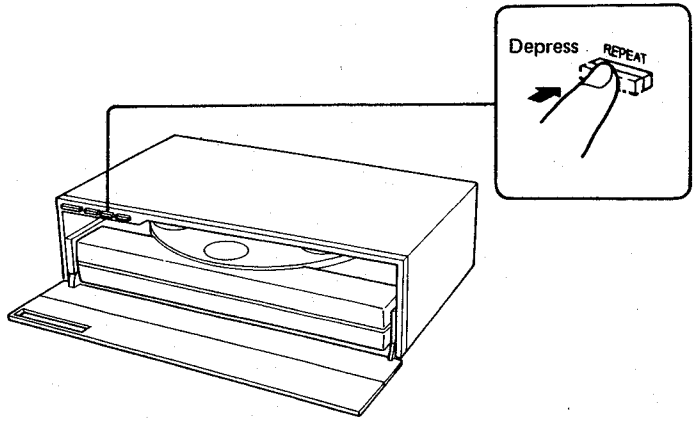
10 Close the cabinet door.



ENGLISH

1 Set the repeat playback switch to ON.

The switch should be in the depressed position.



2 Start record playback.

Start playback by following steps [3] thru [6] in the playback procedure section on pages 7 thru 8.

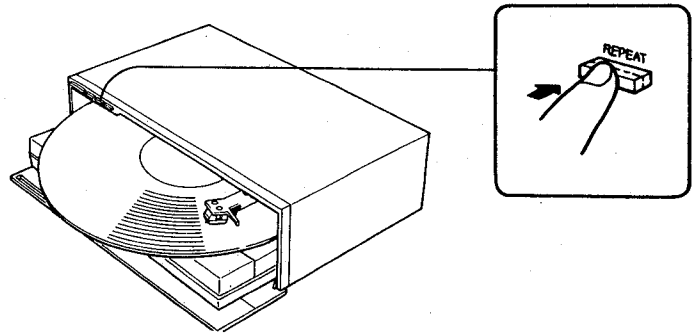
3 Playback repeated.

When record playback has been completed, the tonearm automatically repeats the record from the beginning.

Repeat playback will continue until the repeat playback switch is returned to the released position.

■ Stopping repeat playback.

Depressing the repeat playback switch again will return the switch to its released position, stopping playback when the record has finished.



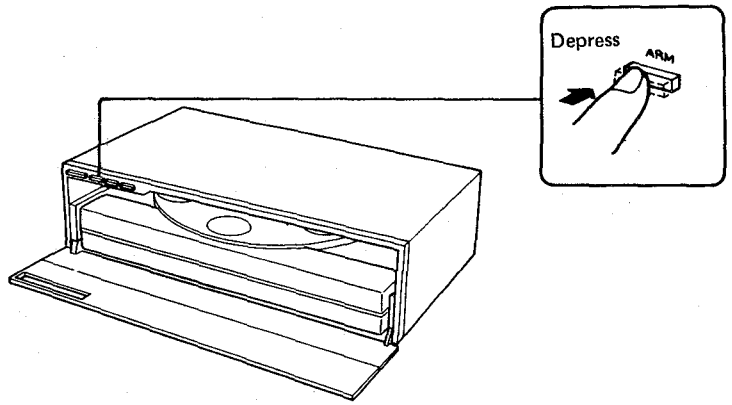
NOTE: After stopping record play, always perform steps [8] ~ [10] on page 8.

STARTING PLAYBACK IN THE MIDDLE OF A RECORD

When playing 25cm records or starting playback in the middle of a record.

1 Set the arm elevation switch to the ▼ (up) position.

The switch should be in the depressed position.

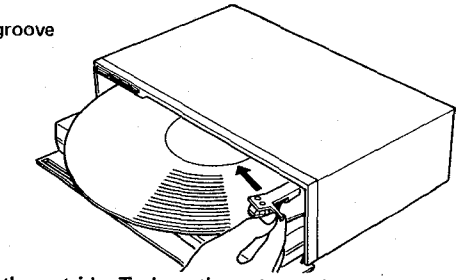


2 Perform steps 3 thru 5 in the playback procedure section on page 7.

- The tonearm will move to a position over the record, but the stylus will be out of the record groove — no sound will be produced.
- When playing records other than standard 30cm LP, the tonearm will move to a location suitable for 17cm.

3 Manually position the tonearm.

Position the stylus above the lead-in groove of the song you want to play.

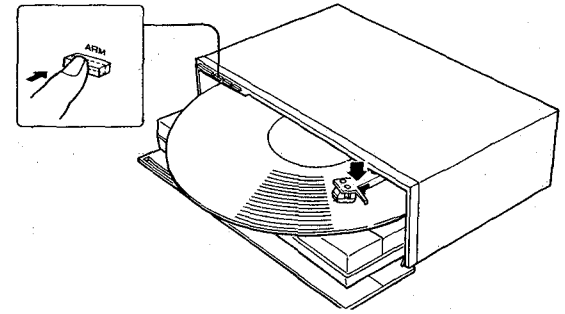


The tonearm can not move toward the outside. To hear the outermost record band, and when playing a 25cm record, operate the turntable in the following manner.

1. Release the arm elevation switch ▼ ; the stylus will lower onto the record.
2. After playback has begun, depress the arm elevation switch ▼ to raise the tonearm.
3. Move the tonearm manually to the location where you want to begin record play.

4 Release the arm elevation switch to the ▼ (down) position.

The stylus will lower into the record groove, starting playback.



When the record has finished, the steps for playback completion will be performed automatically. (Refer to step 7 in the playback procedure section.)

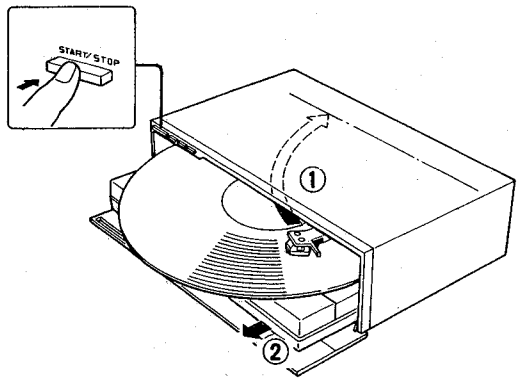
NOTE: After record play has been completed, always perform steps 8 ~ 10 on page 8.

Two methods may be used.

STOPPING PLAYBACK

1. Depress the playback START/STOP switch.

A few seconds after the switch has been depressed, the tonearm will automatically return to the rest, and the turntable will slide back out to its extended position.

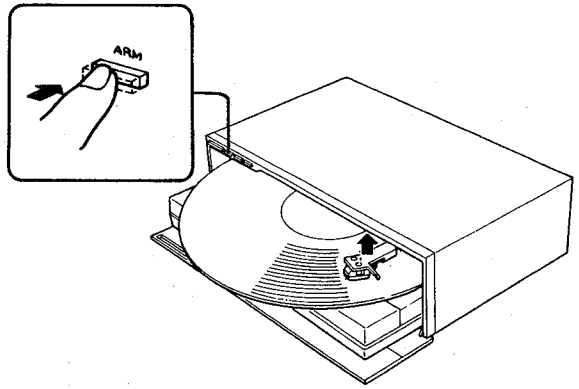


2. Perform steps [8] ~ [10] on page 8.

TEMPORARILY STOPPING PLAYBACK

■ **Depress the arm elevation switch to the ▼ (up) position. (switch in depressed position)**

The tonearm will rise off the record stopping playback, but the platter will continue turning.



- To restart playback again, release the arm elevation switch release position. The stylus will return to the record groove, and start playback.
- To stop playback completely at this time, follow the procedure in the stopping Playback section.

PLAYBACK PRECAUTIONS

■ **Do not vibrate or handle the turntable unnecessarily during playback.**

This can cause skipping and result in the stylus damaging the record. Be particularly careful not to touch the rotating platter or the tonearm when it is moving. This can damage the operating mechanism.

■ **Place one record at a time on the platter.**

Placing more than one record at a time on the platter will change the vertical tracking angle of the stylus, resulting in distortion. It can also cause the stylus to come in contact with the record surface as the tonearm moves and scratch a record.

■ **Clean the record and stylus before and after use.**

- Dirt and dust on the record or stylus will result in sound distortion and skipping.
- Clean the stylus with a soft brush and clean the record with a good quality commercial record cleaner.

■ **Never turn off the power while the turntable is being used.**

If power is turned off while a record is being played, the record and/or stylus may be damaged and the PL-X50 may not operate properly afterward.

MAINTENANCE

CARTRIDGE/STYLUS REPLACEMENT

■ **The life of the furnished cartridge is from 800 to 1000 hours. (Equivalent to 1 – 2 hours daily use for 1 – 2 years.)**

Using a worn-out or damaged stylus will result in sound distortion or damage to the record. To be safe, replace the stylus before it is worn-out.

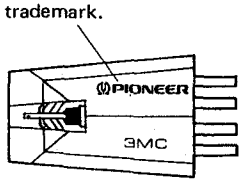
■ **A replacement stylus may be purchased at the Pioneer dealer where you bought this turntable. Specify a Pioneer PN-3MC replacement stylus.**

The cartridge furnished with this turntable was developed by Pioneer especially for use with this unit, and only the PN-3MC replacement stylus may be used with this cartridge.

■ **Always use Pioneer Genuine Parts for stylus replacement.**

Using other replacement stylus may result in degraded performance or damage to the unit, voiding the Pioneer guarantee.

Pioneer Genuine Parts are marked with the Pioneer trademark.



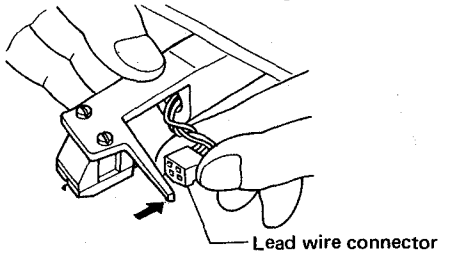
NOTE:
To make stylus replacement easier, a pin-connector type headshell is used on this unit. Only the cartridge model furnished with the turntable may be used.

STYLUS REPLACEMENT

- Be careful not to press the start/stop switch while replacing the stylus.
- When installing the new stylus, do not touch the stylus tip, the inner coils, or the lead wires.

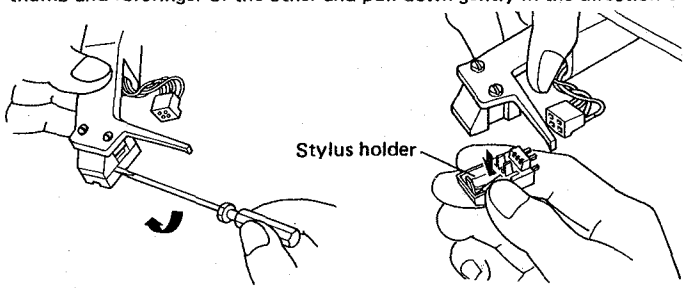
1. **Play a 17cm record (see pages 6 – 7).**
2. **Depress the arm elevation switch ▼ to raise the tonearm and then manually move the tonearm to its outermost position.**
3. **Disconnect the lead wires from the cartridge.**

Using your thumb and forefinger, grasp the connector and gently pull straight out in the direction of the arrow. Be careful not to damage or break the lead wires.



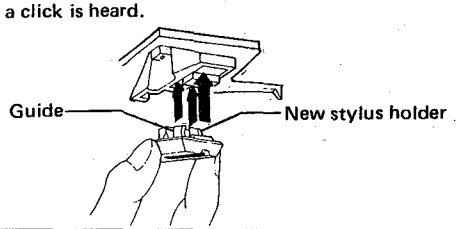
4. **Remove the stylus holder from the cartridge.**

As shown in the diagram, insert a small flat blade screwdriver in the groove in the cartridge and gently rotate the screwdriver to separate the stylus holder from the cartridge.
While steadying the headshell with one hand, grasp the stylus holder with your thumb and forefinger of the other and pull down gently in the direction of the arrow.

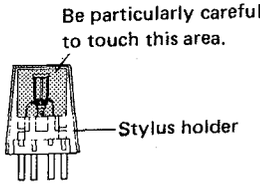


5. **Attaching the new stylus holder to the cartridge.**

Lining the stylus holder up with the guide channel, press the holder into the cartridge with your fingers until a click is heard.

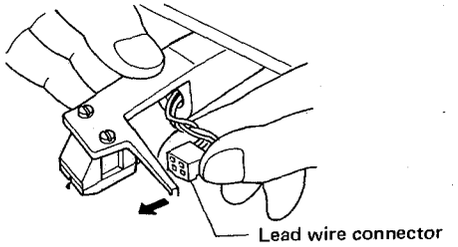


NOTE:
When replacing the stylus holder, be careful not to touch the internal coil or wiring.



6. Connect the lead wire pin-connector to the cartridge.

Follow the reverse procedure listed in step 3. to connect the pin-connector to the cartridge.



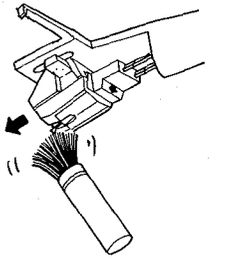
TURNTABLE CARE

Cabinet care

- **Dusting and cleaning.**
  Wipe the unit gently with a polishing cloth or dry, soft cloth.
- **Heavily soiled areas.**
  Dip a soft cloth in a solution containing a non-detergent soap diluted to a 1/5 or 1/6 ratio. Wiring the cloth out thoroughly and wipe the unit down. Finish by polishing with a soft, dry cloth.
- **No chemicals or furniture wax.**
  Do not use furniture wax, commercial cleaners, thinner, or benzine to clean the unit. These will remove or discolor the surface finish.
- **No insecticides.**
  Insecticide sprays will discolor and stain the surface finish.

Stylus care

- **Use a soft brush.**
  Clean the stylus stroking from the rear of the holder toward the front. Cleaning the stylus with your finger tip can destroy the stylus.



- **Stylus too dirty to be cleaned with a brush.**
  The stylus may be cleaned using a commercial stylus cleaner, however, take care not to get any of the liquid on the plastic parts of the cartridge. Some cleaners can dissolve plastic.

TONEARM ADJUSTMENT

TONEARM ADJUSTMENT

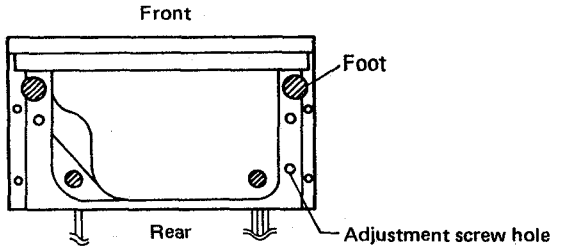
If the stylus does not descend in the proper location when record play is begun, perform the following adjustments. Take care not to scratch the record with the stylus while performing the adjustments.

1. Perform steps [1] – [4] on pages 6 thru 7. (Use a 30cm LP record.)
2. Depress the playback START/STOP switch to begin automatic record play. Watch the stylus carefully as it is lowered onto the record to check whether it is too far toward the inside or outside and by approximately how many millimeters it is from the correct starting position.
3. Place the arm elevation switch in the [▼] (up) position.
4. Based on your observations in 3, use a small screwdriver to turn the adjustment screw in the following manner.
   - A half turn (180°) of the screw changes the lowering position of the stylus by about 10mm.
   - If the stylus lowers too far toward the outside ...
     Turn the screw closkwise (as seen from above).
   - If the stylus lowers too far toward the inside ...
     Turn the screw counterclockwise (as seen from above).
5. Confirm that the stylus descends in the proper location. After completing all adjustments, gently push the tonearm in the direction of the arrow and confirm that it stops directly over the lead-in grooves of the record. (This is as far as the tonearm will of when playback is begun.)

Notes concerning adjustments:

- Do not tip the turntable on its side, turn it upside-down, or otherwise place it in an uneven position during the adjustment procedure.
- When turning the adjustment screw, do not press in hard on the screwdriver.

Location of the Adjustment Screw (seen from the bottom panel)



Adjustment Procedure

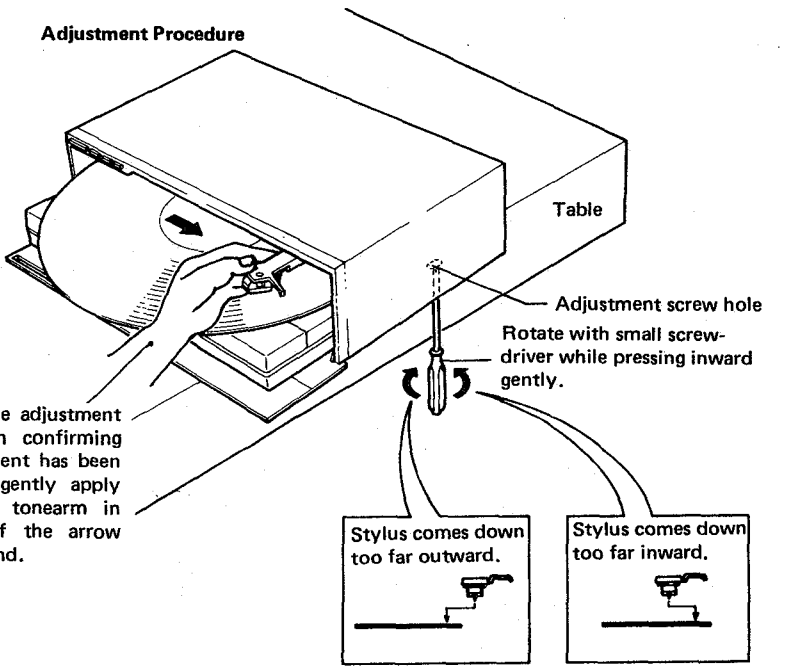


Table
Adjustment screw hole
Rotate with small screwdriver while pressing inward gently.
When turning the adjustment screw and when confirming that the adjustment has been made properly, gently apply pressure to the tonearm in the direction of the arrow with your left hand.
Stylus comes down too far outward.
Stylus comes down too far inward.

TROUBLESHOOTING

ENGLISH

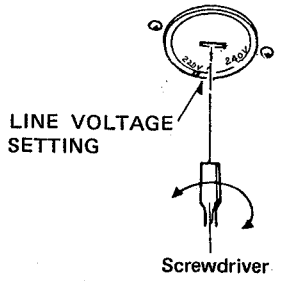
Sometimes, an operational fault can be mistaken for a malfunction or failure. Check the following points and see if you can find the symptoms of the trouble below before you get in touch with the serviceman. If you cannot locate the symptoms, contact your nearest Pioneer dealer.

Problem	Cause	Remedy
Turntable Platter won't turn	Line cord unplugged.	Plug the unit back into the amp or wall AC outlet.
No sound.	1. Output cable connection incomplete. 2. Output cable pin-connectors or amplifier input terminals dirty.	1. Firmly plug the pin-connector into the amplifier PHONO terminal. 2. Clean the connector contact surfaces.
Distortion, skipping, noise, scratching	1. Stylus or record surface dusty or dirty. 2. Stylus worn. 3. Record warped or scratched. 4. Pin-connectors or amplifier input terminals dirty.	1. Clean the stylus using a brush. 2. Clean the record using a record cleaner. 3. Discard the warped or scratched record. 4. Clean the connectors and terminals.
Howling (occurs when the sound volume is increased during playback resulting in a loud howling noise.)	1. Speaker vibration transmitted through the floor and picked up by the cartridge. 2. Sounds from the speaker directly transmitted to cartridge.	1. Insulate the speaker from the floor (with a rug or pad). 2. Change turntable location.
Sound too fast or too slow.	Speed selector switch set to wrong speed.	Set to correct speed for record.
Hum (humming noise from speaker system)	1. Output cable ground loose. 2. System affected by magnetic flux leakage from power transformer (or another source).	1. Solidly ground the amplifier-turntable connection. 2. Change the position of the amp or turntable.
Tonearm doesn't lower onto record.	Arm elevation switch in the ▼ (up) position.	Place the switch in the ▼ (down) position.

LINE VOLTAGE SELECTOR SWITCH

The line voltage selector switch is located on the bottom surface of the cabinet of this turntable. Before your turntable is shipped from the factory, the switch is set to the power requirements of the turntable's destination, check that it is set properly before plugging the power cord into the outlet. If the voltage is not properly set or if you move to an area where the voltage requirements differ, adjust the selector switch as follows:

1. Disconnect the power cord.
2. Provide yourself with a medium-sized screwdriver. Insert the tip of the screwdriver into the groove of the selector switch and turn it so that the power voltage marking of your area points to the arrow on the panel



SPECIFICATIONS

Motor and Turntable

Drive System . . . . . Belt-drive
Motor . . . . . DC servo motor
Speeds . . . . . 33-1/3 and 45rpm
Wow and Flutter . . . . . Less than 0.045%(WRMS)
Signal-to-Noise Ratio . . . . . More than 70dB (DIN-B)
(with Pioneer cartridge model PC-3MC)

Tonearm

Type . . . . . Integrated straight pipe arm

PC-3MC Specifications

Type . . . . . Moving coil type
Stylus . . . . . 0.5 mil diamond (PN-3MC)
Output Voltage 2.5mV
(1kHz, 50mm/s Peak velocity, LAT)
Tracking Force . . . . . 1.7g to 2.3g (proper 2g)
Frequency Response . . . . . 10 to 32,000Hz
Recommended Load 50kΩ
Weight 3.1g

Subrunctions

Fully automatic operation with separate tonearm motor
Automatic record size selector (17cm, 30cm)
Cueing device
Built-in anti-skating mechanism

Miscellaneous

Power Requirements . . . . AC 220/240V~(switchable)
50, 60Hz
Power Consumption 9W
Dimensions . . . . . 320(W) x 98(H) x 210(D)mm
12-5/8(W) x 3-7/8(H) x 8-1/4(D)in
Weight 5.5kg/12lb 2oz

Accessories

EP Adaptor 1
Output cable 1
Operating instructions 1

NOTE:
Specifications and design subject to possible modification without notice, due to improvements.